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in an exhaust pipe; and wherein said reducing agent is injected by said plasma injector according to any one of claims 1 to 7.

5        7.    The exhaust gas purifying system according to claim 6, wherein said catalyst is a NO<sub>x</sub> purifying catalyst.

8.    (deleted)

10       9.    A method for injecting a reducing agent, comprising injecting a reducing agent in a liquid drop state, and then at least partially converting the reducing agent injected in a liquid drop state into a plasma to vaporize the reducing agent.